

**AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listings, or claims in the application.

Listing of Claims:

Claims 1-56(Canceled).

57(Previously Presented): An immunogenic composition comprising an isolated polypeptide comprising an amino acid sequence having 95% or greater sequence identity with the amino acid sequence of SEQ ID NO: 4, and a pharmaceutically acceptable carrier, wherein said polypeptide in said composition induces antibodies in a mammal that bind to said amino acid sequence of SEQ ID NO: 4 and that interfere with adherence of *Neisseria gonorrhoeae* as measured by the gonococcal cell adherence assay, wherein said isolated polypeptide is in a purified form.

Claim 58(Canceled).